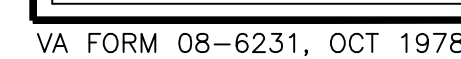
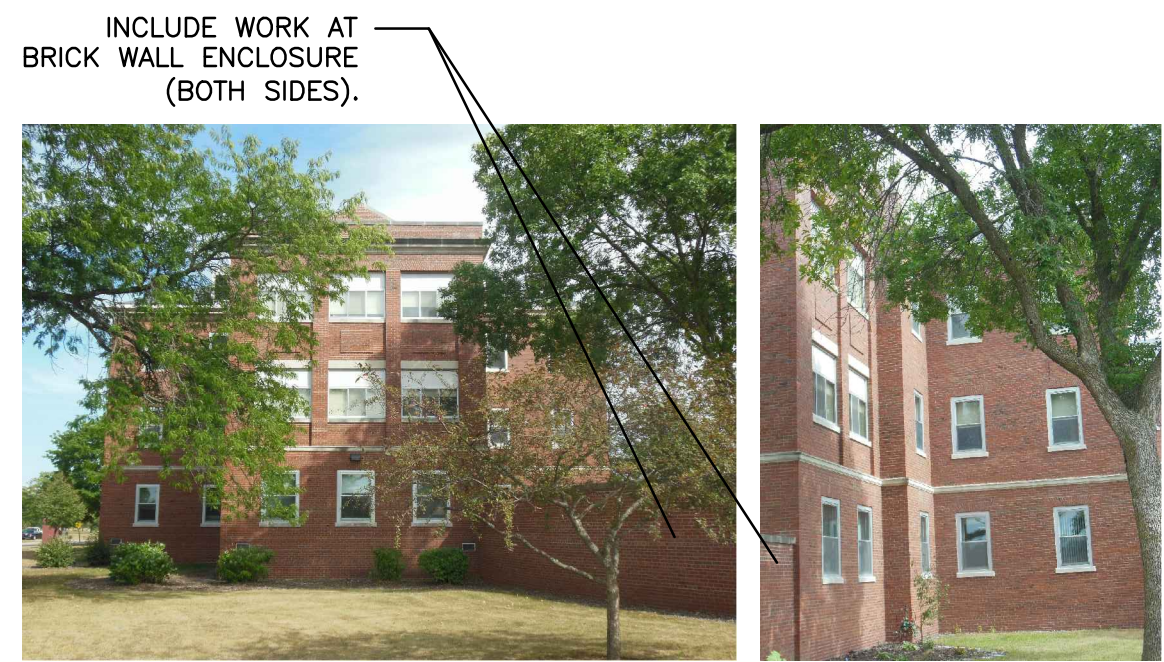


**BUILDINGS 404 AND 406 MASONRY RESTORATION
PROJECT NO.: 676-13-129**



A three inches = one foot
B one and one half inches = one foot
C one inch = one foot
D three quarters inch = one foot
E one half inch = one foot
F three eighths inch = one foot
G one quarter inch = one foot
H one eighth inch = one foot



1 B404 EXISTING WEST ELEVATION
NOT TO SCALE



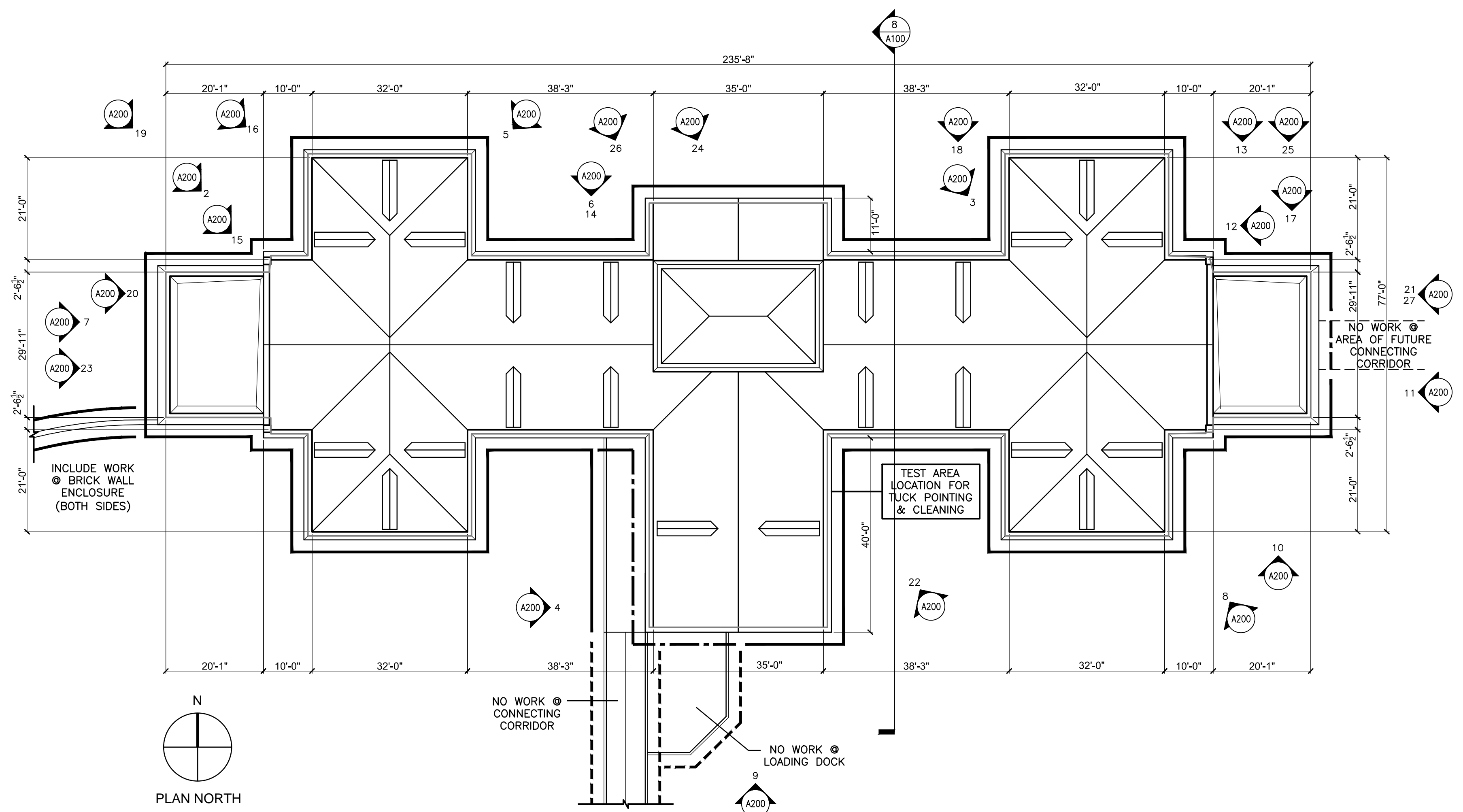
2 B404 EXISTING SOUTH ELEVATION
NOT TO SCALE



3 B404 EXISTING EAST ELEVATION
NOT TO SCALE



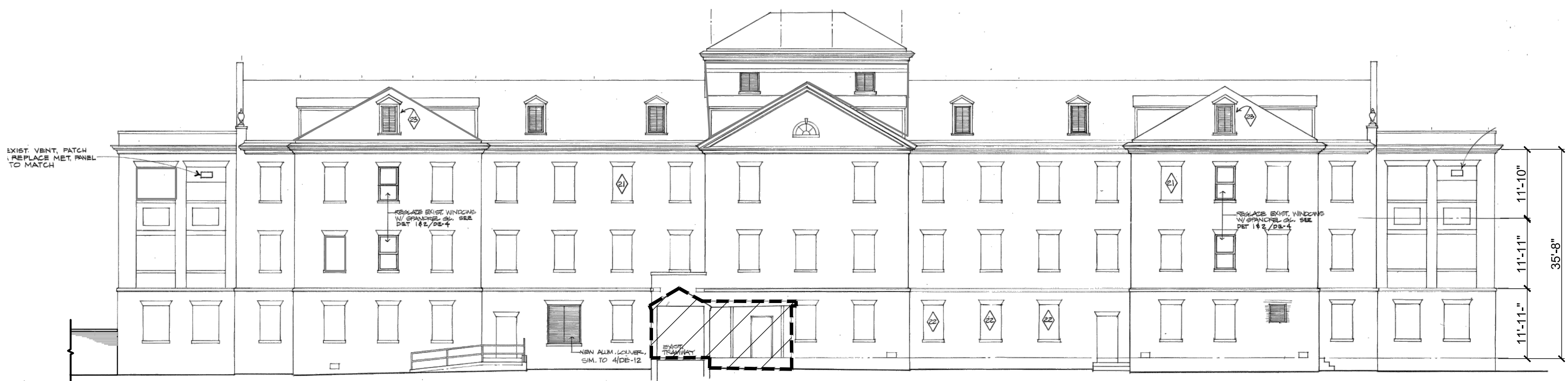
4 B404 EXISTING NORTH ELEVATION
NOT TO SCALE



5 B404 EXISTING BUILDING PLAN
SCALE: 1/16" = 1'-0"



6 B404 WEST ELEVATION
SCALE: 1/16" = 1'-0"



7 B404 SOUTH ELEVATION
SCALE: 1/16" = 1'-0"



8 B404 BUILDING SECTION
SCALE: 1/16" = 1'-0"



9 B404 EAST ELEVATION
SCALE: 1/16" = 1'-0"



10 B404 NORTH ELEVATION
SCALE: 1/16" = 1'-0"

LEGEND - SCOPE OF WORK

- SCOPE OF WORK THIS WALL EXTENDS FROM GROUND LEVEL TO TOP OF STONE COPINGS/CORNICE.
- SCOPE OF WORK THIS WALL EXTENDS FROM TOP OF BUILDING INFILL OR CONNECTING CORRIDOR TO TOP OF STONE COPINGS/CORNICE.
- SCOPE OF WORK DOES NOT INCLUDE THIS WALL.
- SCOPE OF WORK DOES NOT INCLUDE THIS AREA.
- SECTION MARK
- PHOTO REFERENCE

TEST AREA NOTES:

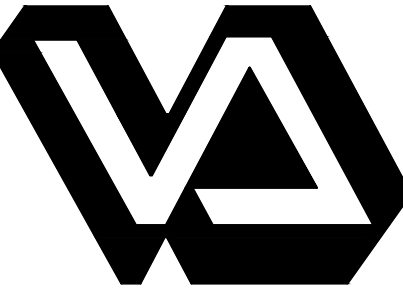


- PREPARE TEST AREAS FOR TUCKPOINTING, RESTORATION AND CLEANING TO DEMONSTRATE AESTHETIC EFFECTS AND SET QUALITY STANDARDS FOR MATERIALS AND EXECUTION.
TUCKPOINTING:
PREPARE MORTAR TEST AREA TO MATCH APPEARANCE, TOOLING AND COMPOSITION OF ORIGINAL UNWEATHERED MORTAR.
CLEANING:
USE TEST AREA TO TEST CLEANING METHODS AND ENSURE THAT NEITHER THE MASONRY NOR THE MORTAR IS DAMAGED IN THE PROCESS. BEGIN WITH THE GENTLEST MEANS POSSIBLE, STARTING WITH JUST WATER; THEN A WATER AND WHITE VINEGAR MIX IF REQUIRED; THEN WATER AND DETERGENT; AND FINALLY CHEMICAL CLEANERS. FOR WATER SPRAY APPLICATIONS, WATER PRESSURE MUST NOT EXCEED 1,000 PSI AND SPRAY NOZZLE SHALL BE HELD A MIN. OF 12" FROM THE WALL SURFACE.
BRICK UNIT MASONRY REPAIR:
PREPARE SAMPLE AREAS FOR BRICK INDICATED TO HAVE REPAIR WORK PERFORMED. ERECT SAMPLE AREAS IN OBSCURE LOCATIONS OF EXISTING WALLS, TO DEMONSTRATE QUALITY OF MATERIALS, WORKMANSHIP, AND BLENDING WITH EXISTING WORK.
STONE REPAIR:
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- TEST AREAS TO BE 3 TO 4 FEET SQUARE IN AREA. TEST AREAS TO BE LOCATED IN OBSCURE AREAS OF THE BUILDING, AS INDICATED ON DRAWINGS OR DIRECTED BY COR.
- TEST AREAS SHALL BE PREPARED BY THE SAME PERSONNEL THAT WILL BE PERFORMING THE SPECIFIED WORK OF THIS SECTION ON THE BUILDING.
- TEST AREAS SHALL BE PREPARED WHEN WALL AND AIR TEMPERATURES ARE SIMILAR TO THE TEMPERATURES ANTICIPATED AT THE TIME THE MASONRY WILL BE CLEANED.
- UPON 48 HOURS' NOTICE, THE VA OR ITS DESIGNATED AGENT SHALL NOTIFY THE SHPO THAT A TEST AREA HAS BEEN PRODUCED AND IS AVAILABLE FOR INSPECTION. REGARDLESS OF SHPO PARTICIPATION, THE VA SHALL ENSURE THE PARTICIPATION OF A HISTORIC ARCHITECT, WHOSE QUALIFICATIONS MEET THE REQUIREMENTS OF 36 CFR 61. PRIOR TO ISSUANCE OF ITS APPROVAL, THE COR MUST RECEIVE FROM THE SHPO OR THE HISTORIC ARCHITECT, AN OPINION, IN WRITING, THAT THE RESTORATION AND CLEANING IS CONSISTENT WITH THE SECRETARY OF THE INTERIOR'S STANDARDS.
- TEST AREAS TO BE INSPECTED AND APPROVED BY COR BEFORE PROCEEDING, AND WILL BE HELD AS THE STANDARD FOR THE REMAINDER OF THE WORK.
- APPROVED TEST AREAS MAY BECOME PART OF THE COMPLETED WORK IF UNDISTURBED AT TIME OF SUBSTANTIAL COMPLETION.
- SEE SPECIFICATION SECTIONS 04 05 13, "MASONRY MORTARING"; 04 05 31, "MASONRY TUCKPOINTING"; AND 04 50 00, "MASONRY RESTORATION & CLEANING".

BRICK CALCULATIONS - B404

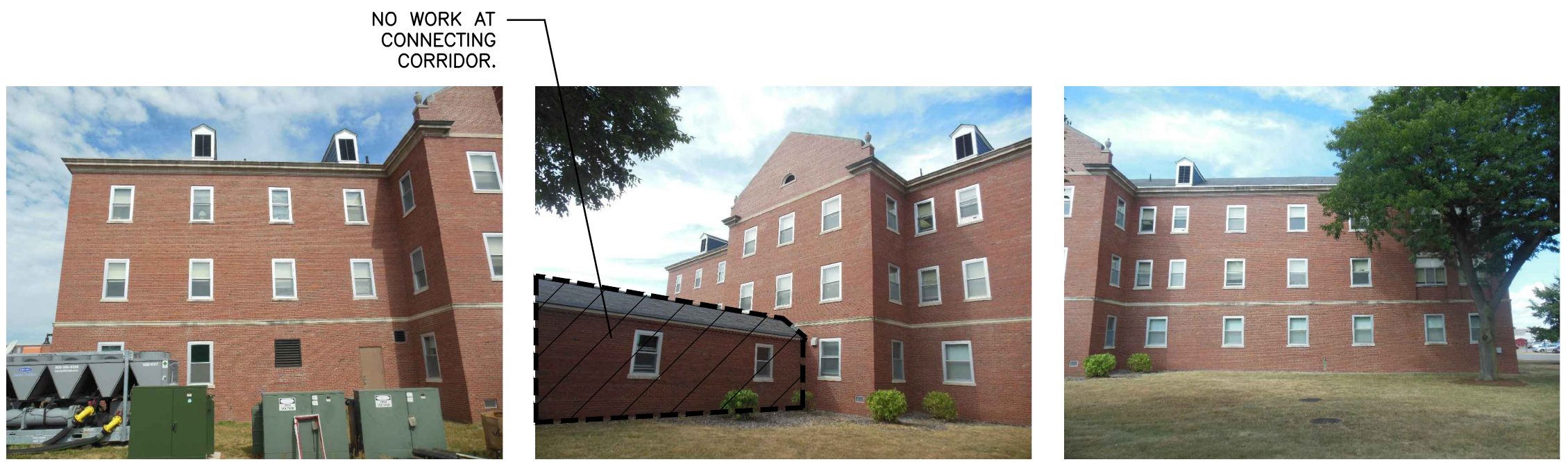
BRICK BELOW 10'-0" HEIGHT:	6,630 S.F.
BRICK ABOVE 10'-0" HEIGHT:	20,592 S.F.
TOTAL BRICK B404:	27,222 S.F.
BRICK ENCLOSURE WALL BELOW 10'-0" HEIGHT:	2,880 S.F.
TOTAL BRICK ENCLOSURE WALL:	2,880 S.F.

NOTE:
ALL QUANTITIES ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY.

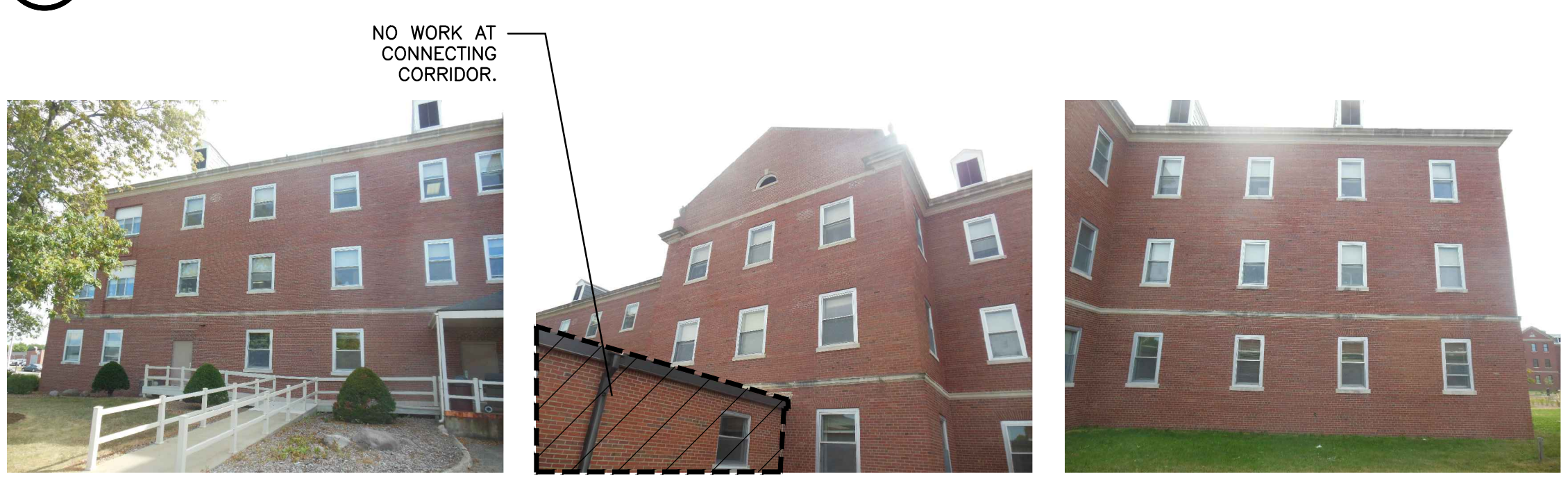
100% CONSTRUCTION DOCUMENTS

Revisions:	Date	 Dept. of Veterans Affairs Medical Center 500 E. Veterans Street Tomah, WI 54660		CONSULTANTS:  James A. Sewell PRESERVATION SERVICES, LLC 716 Orton Court Madison, WI 53703 608-658-8855	PROJECT LEADER / ARCHITECT:  Chequamegon SURVEY GROUP, INC. ASHLAND, WI • MILWAUKEE, WI • MADISON, WI • DULUTH, MN 715-685-1554 • 414-353-6322 • 608-524-8900 • 218-728-0293 WWW.CHEQUAMEGONSGRP.COM	Drawing Title BUILDING 404 SCOPE OF WORK	Project Title B404 & B406 Masonry Restoration	Project Number 676-13-129	Office of Facilities Management	
						Approved: Project Director	Location VA Medical Center, Tomah, WI	Building Number B404 & B406	Drawing Number A100	Department of Veterans Affairs
						Date 14 January 2014	Checked By: KAB	Drawn By: KAB		

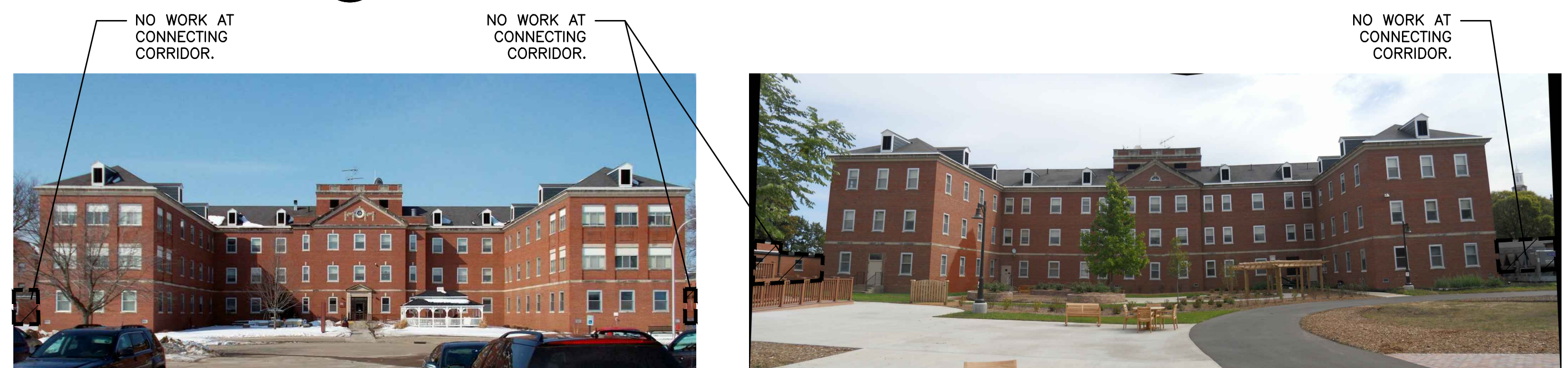
A three inches = one foot
B one and one half inches = one foot
C one inch = one foot
D three quarters inch = one foot
E one half inch = one foot
F three eighths inch = one foot
G one quarter inch = one foot
H one eighth inch = one foot



1 B406 EXISTING SOUTH ELEVATION
NOT TO SCALE

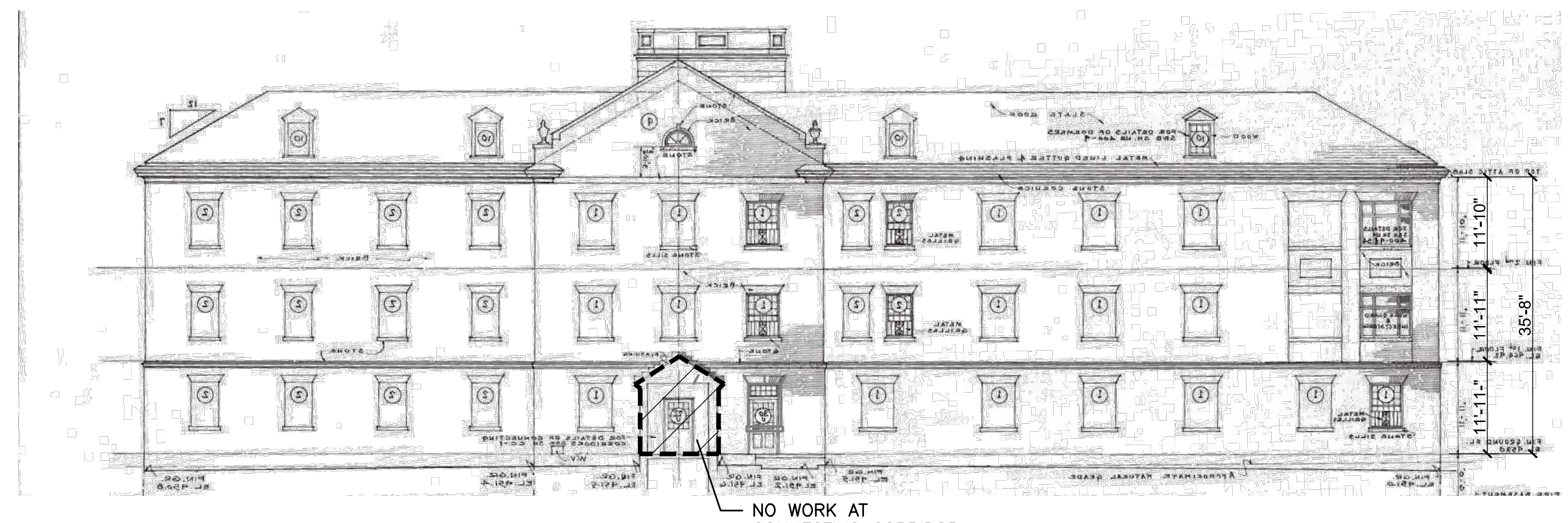


3 B406 EXISTING NORTH ELEVATION
NOT TO SCALE

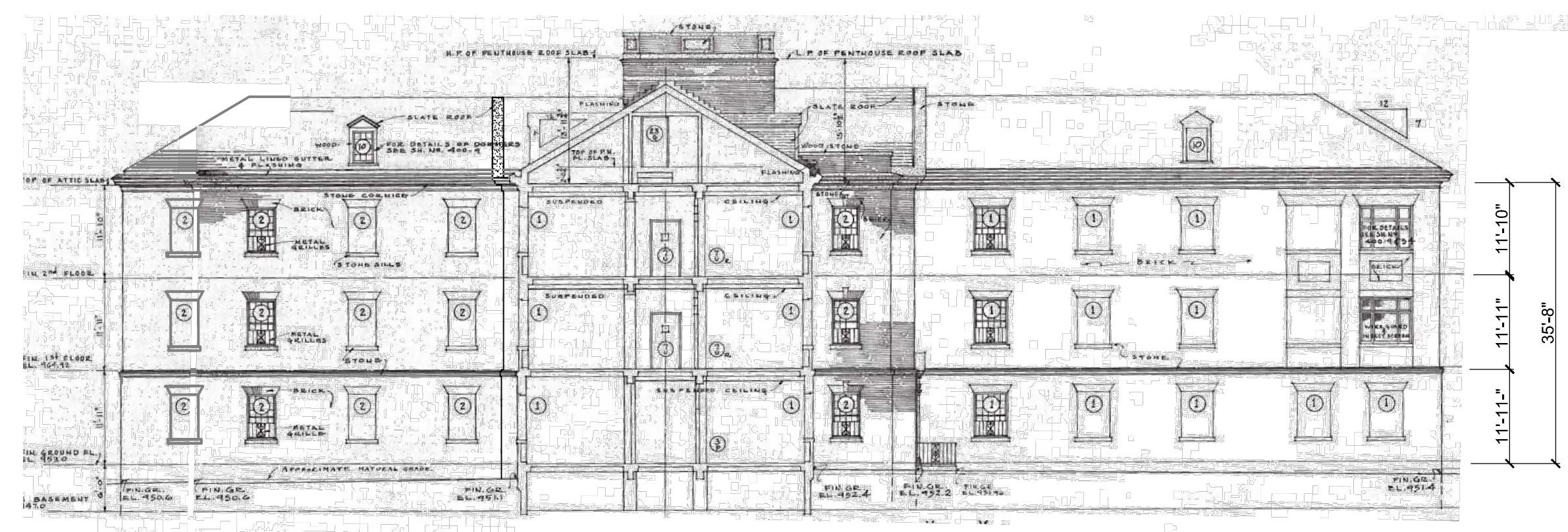


2 B406 EXISTING EAST ELEVATION
NOT TO SCALE

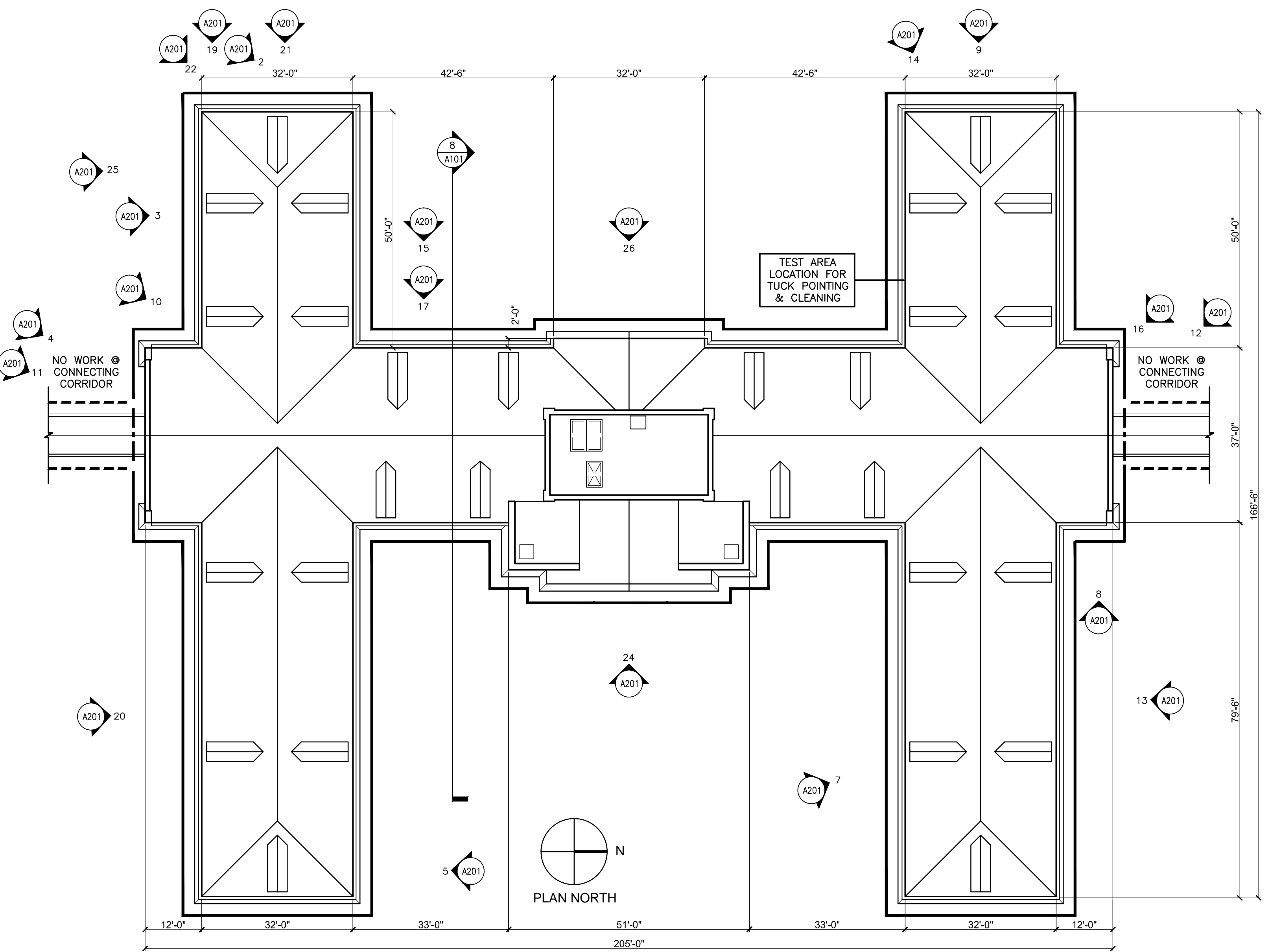
4 B406 EXISTING WEST ELEVATION
NOT TO SCALE



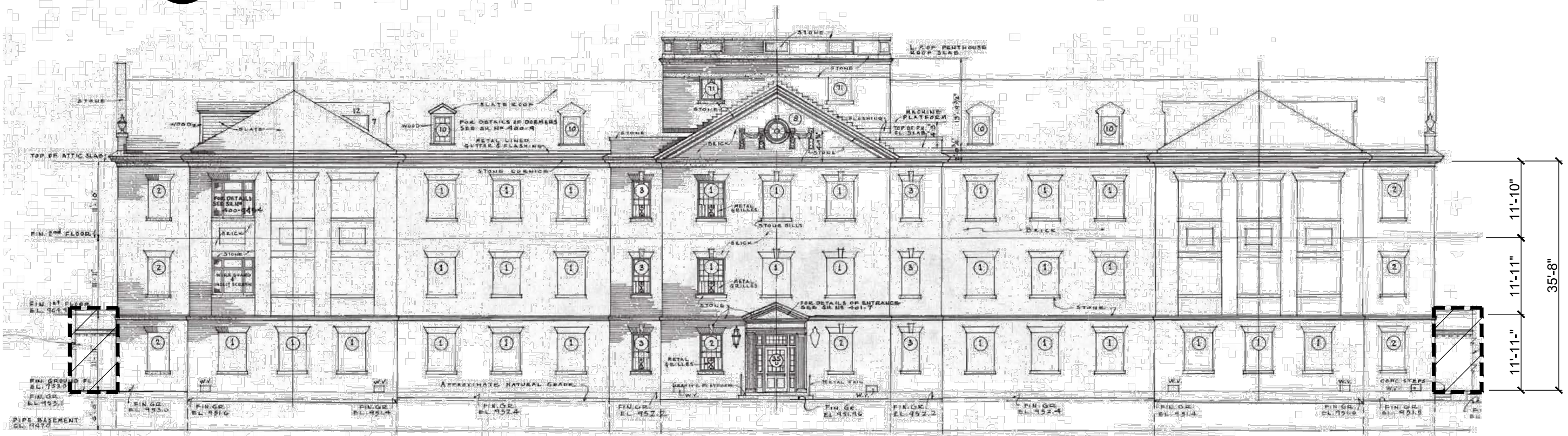
6 B406 ORIGINAL SOUTH ELEVATION (NORTH SIMILAR)
SCALE: 1/16" = 1'-0"



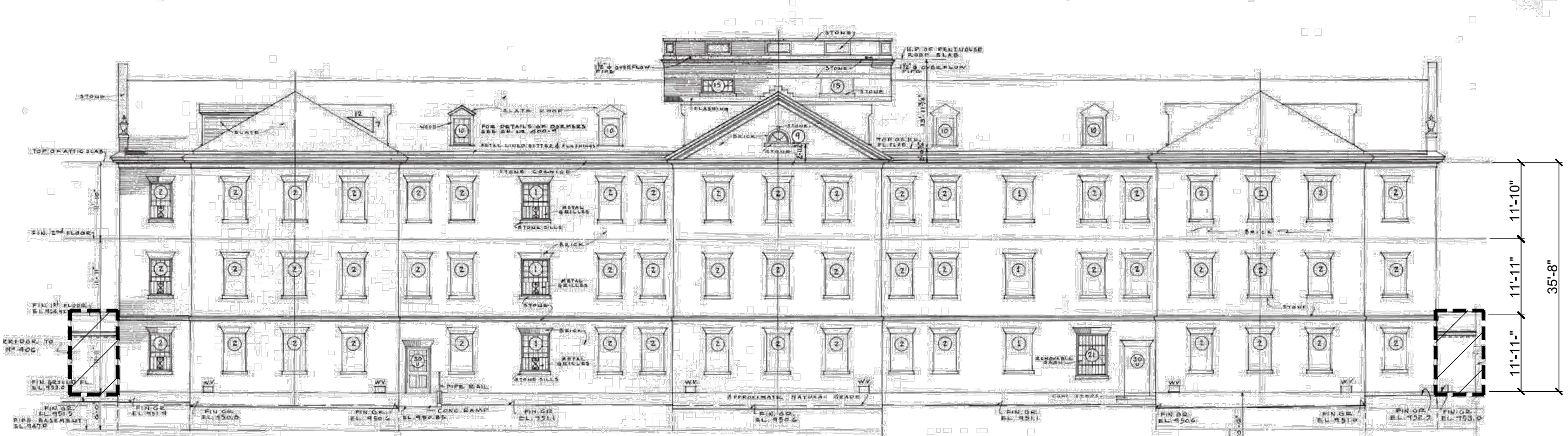
8 B406 ORIGINAL BUILDING SECTION
SCALE: 1/16" = 1'-0"



5 B406 EXISTING BUILDING PLAN
SCALE: 1/16" = 1'-0"



7 B406 ORIGINAL EAST ELEVATION
SCALE: 1/16" = 1'-0"



9 B406 ORIGINAL WEST ELEVATION
SCALE: 1/16" = 1'-0"

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- SCOPE OF WORK DOES NOT INCLUDE THIS AREA.
- SECTION MARK
- PHOTO REFERENCE



TEST AREA NOTES

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SEE SPECIFICATION SECTIONS 04 05 13, "MASONRY MORTARING"; 04 05 31, "MASONRY TUCKPOINTING"; AND 04 50 00, "MASONRY RESTORATION & CLEANING".

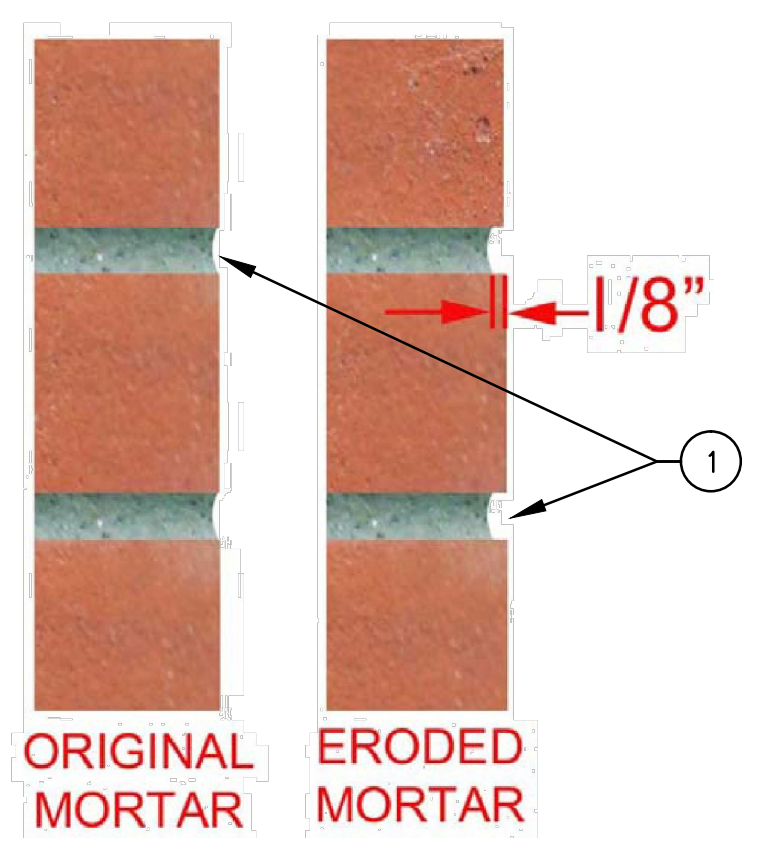
BRICK CALCULATIONS - B406

BRICK BELOW 10'-0" HEIGHT:	8,273 S.F.
BRICK ABOVE 10'-0" HEIGHT:	24,387 S.F.
TOTAL BRICK B406:	32,660 S.F.

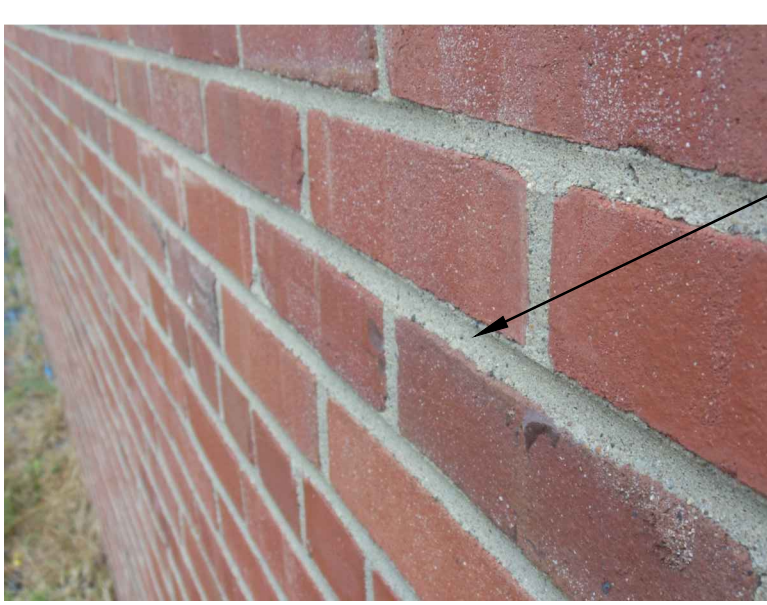
NOTE:
ALL QUANTITIES ARE APPROXIMATE, CONTRACTOR TO FIELD VERIFY.

Revisions:	Date	 Dept. of Veterans Affairs Medical Center 500 E. Veterans Street Tomah, WI 54660		CONSULTANTS:  James A. Sewell PRESERVATION SERVICES, LLC 716 Orton Court Madison, WI 53703 608-658-8855	PROJECT LEADER / ARCHITECT:  Chequamegon Bay Group, Inc. ASHLAND, WI • MILWAUKEE, WI • MADISON, WI • DULUTH, MN 715-685-1854 • 414-382-4444 • 608-324-4444 • 218-728-4444 WWW.CHEQUAMEGONBAYGRP.COM	Drawing Title BUILDING 406 SCOPE OF WORK Approved: Project Director	Project Title B404 & B406 Masonry Restoration Location VA Medical Center, Tomah, WI Date 14 January 2014 Checked By: KAB Drawn By: KAB	Project Number 676-13-129 Building Number B404 & B406 Drawing Number A101	Office of Facilities Management  Department of Veterans Affairs
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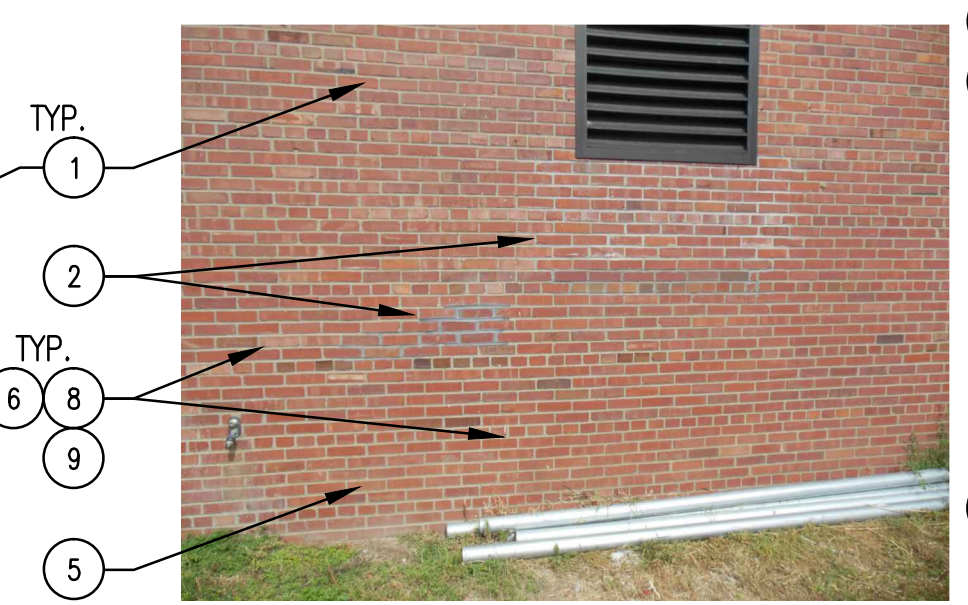
A three inches = one foot
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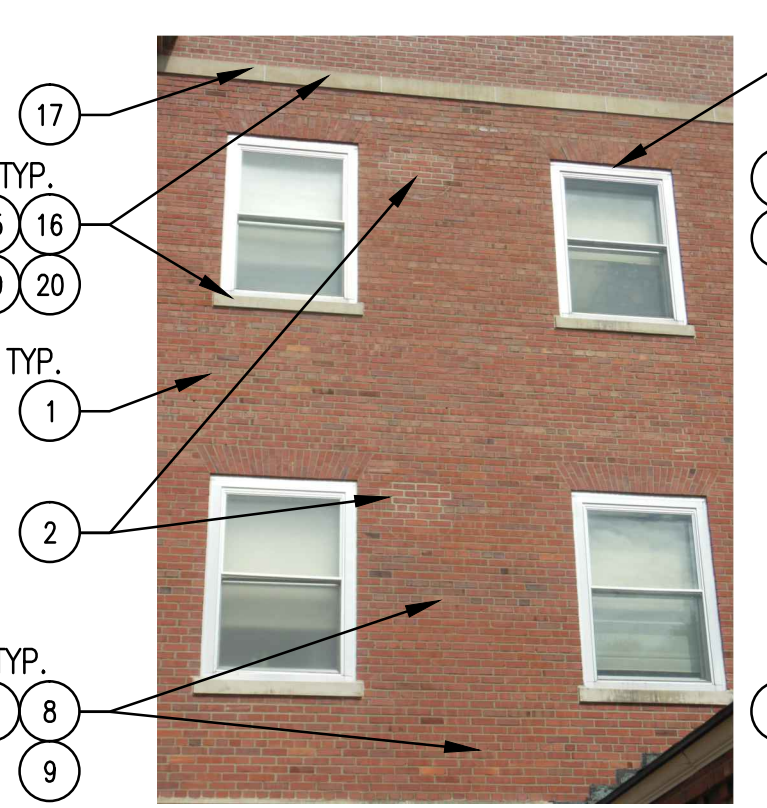
1 TYPICAL MORTAR DETAIL
NOT TO SCALE



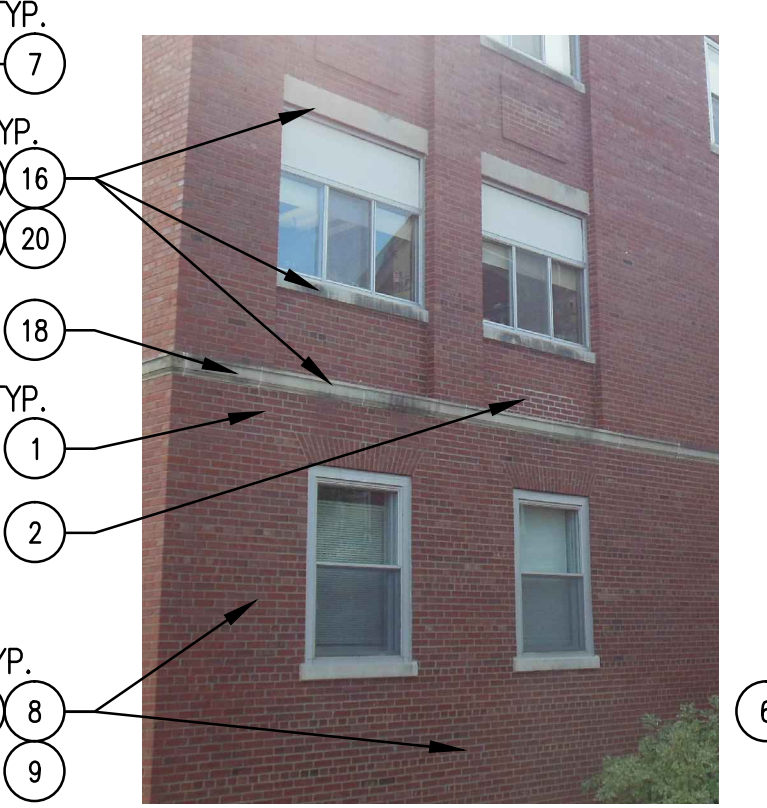
2 B406 ERODED MORTAR EXAMPLE
NOT TO SCALE



3 B404 PREVIOUS BRICK PATCHING
NOT TO SCALE



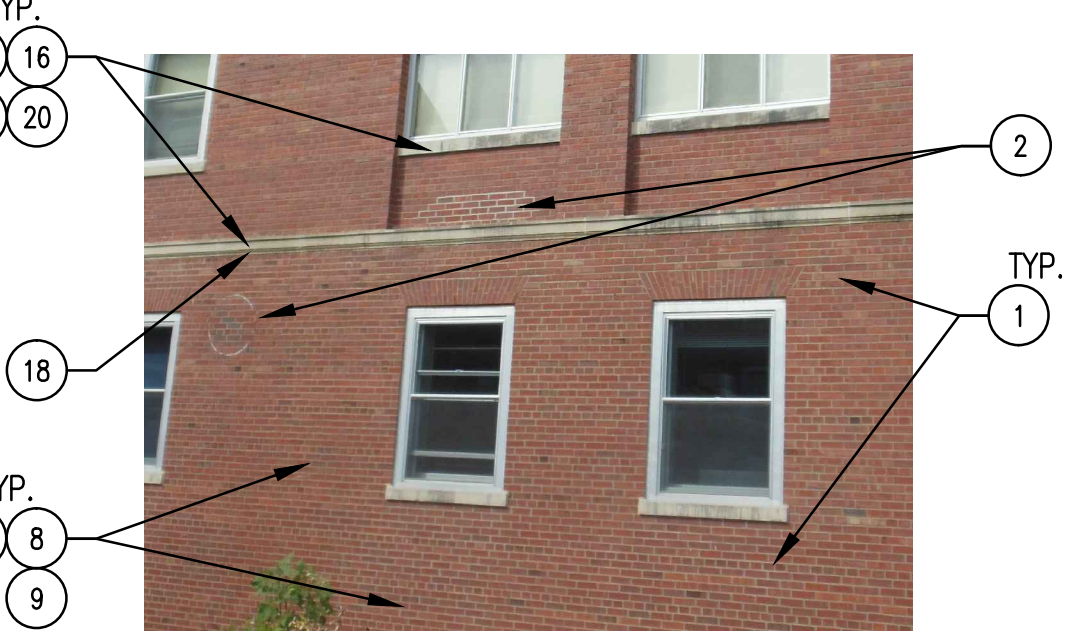
4 B404 PREV. BRICK PATCHING
NOT TO SCALE



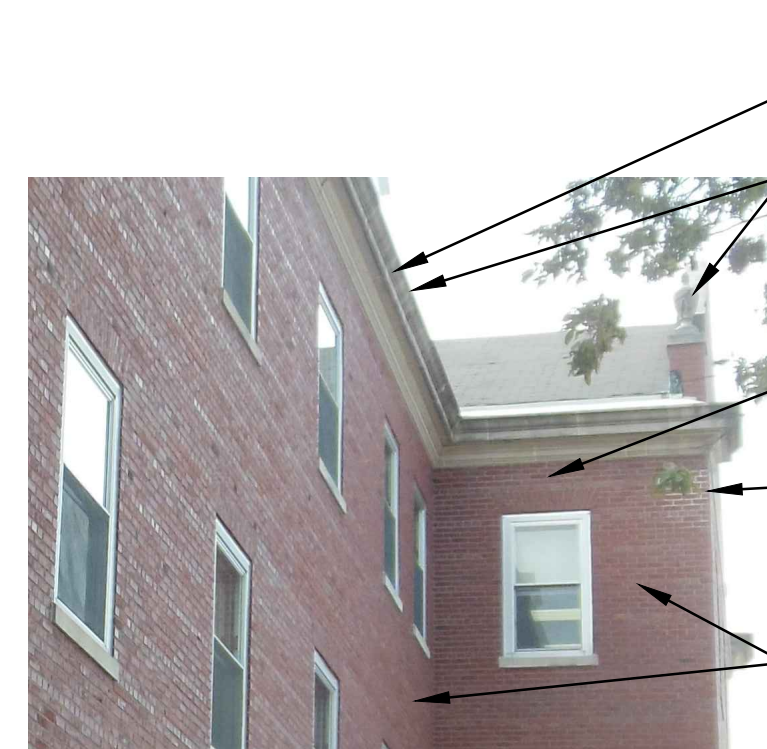
5 B404 PREV. BRICK PATCHING
NOT TO SCALE



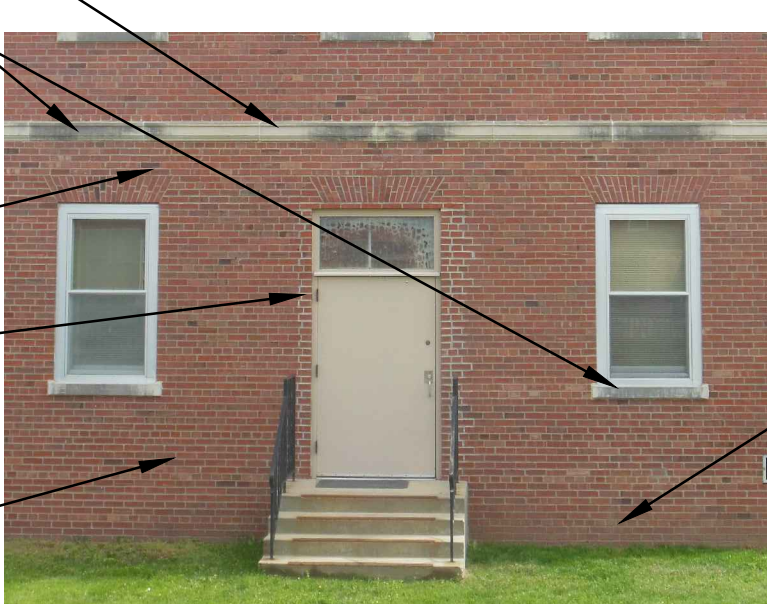
6 B404 PREVIOUS BRICK PATCHING
NOT TO SCALE



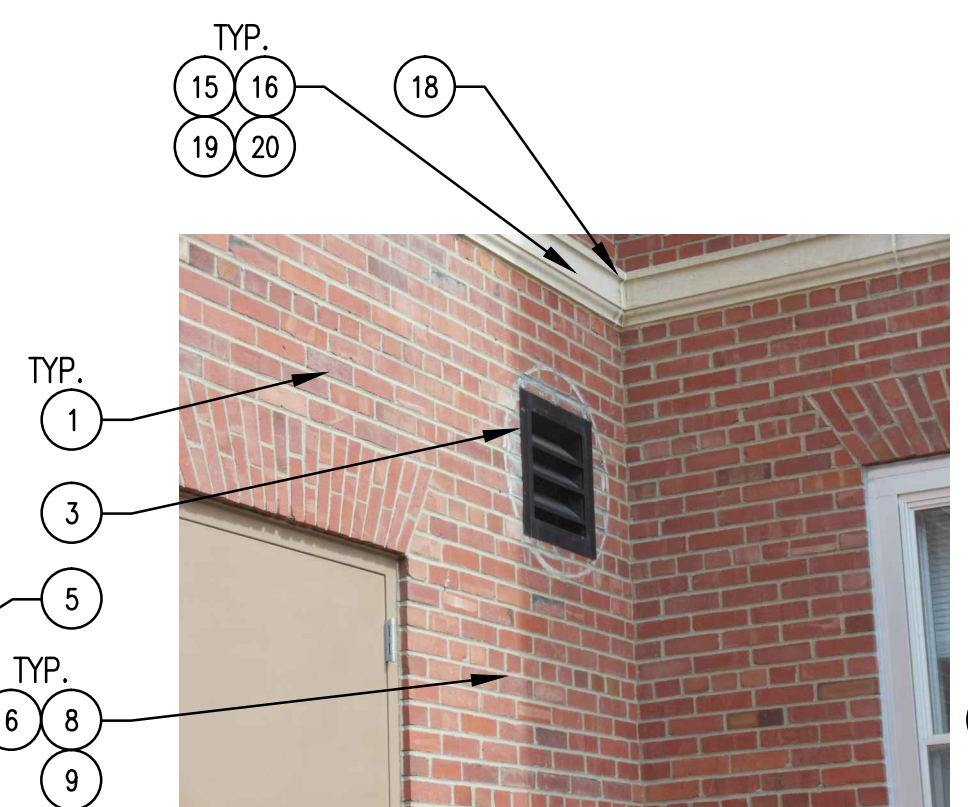
7 B404 PREVIOUS BRICK PATCHING
NOT TO SCALE



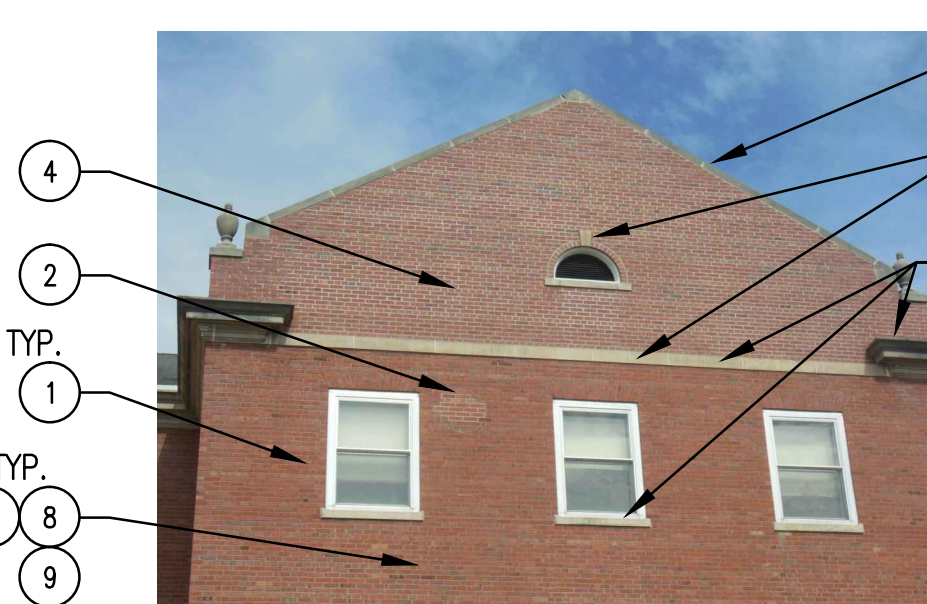
8 B404 PREVIOUS BRICK PATCHING
NOT TO SCALE



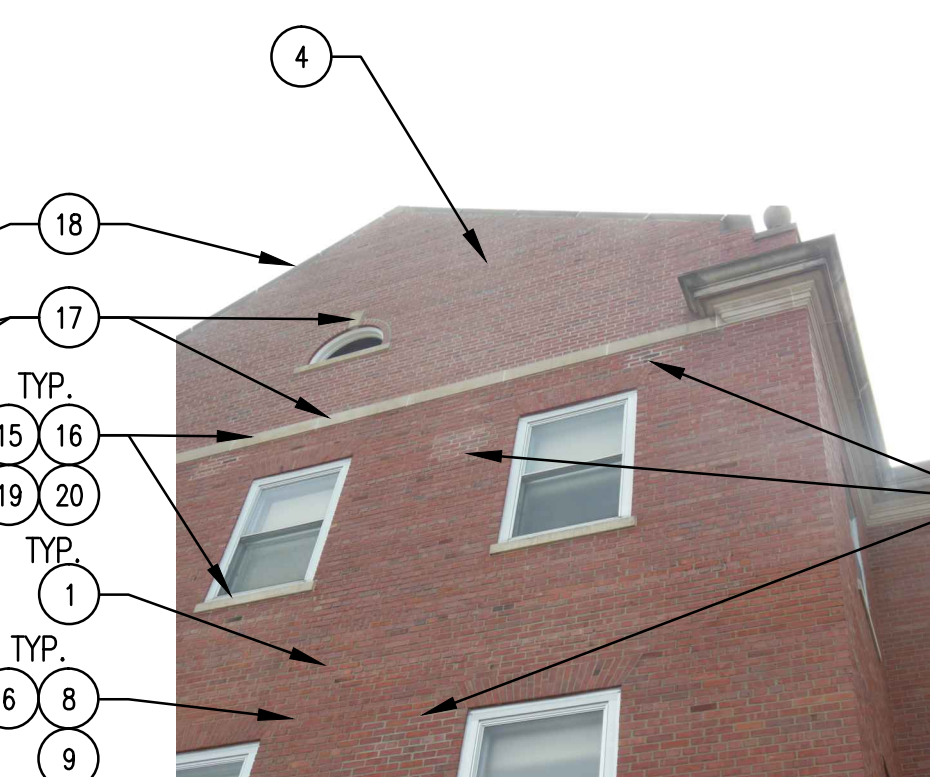
9 B404 PREVIOUS BRICK PATCHING
NOT TO SCALE



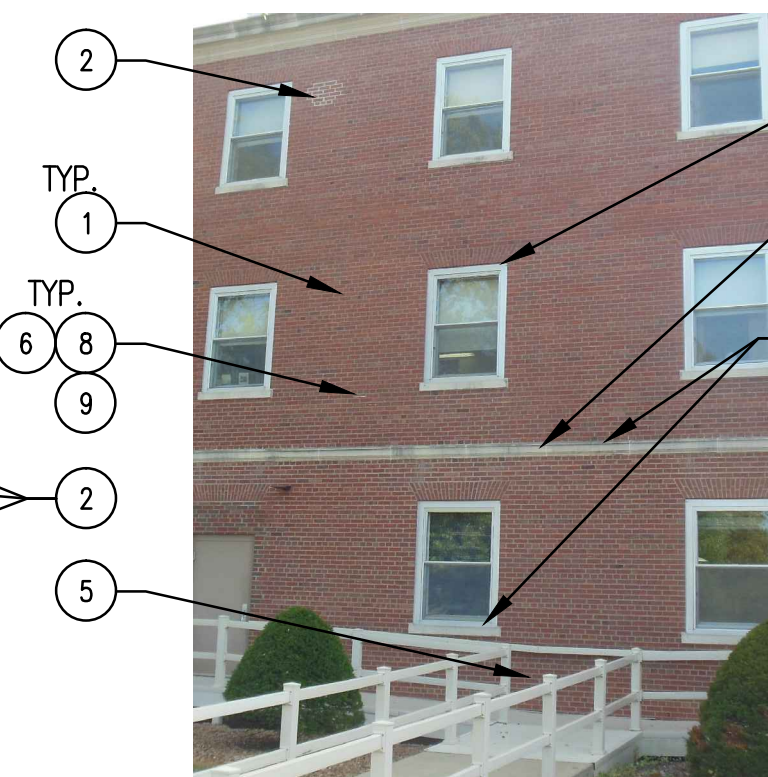
10 B404 EXISTING BRICK INFILL
NOT TO SCALE



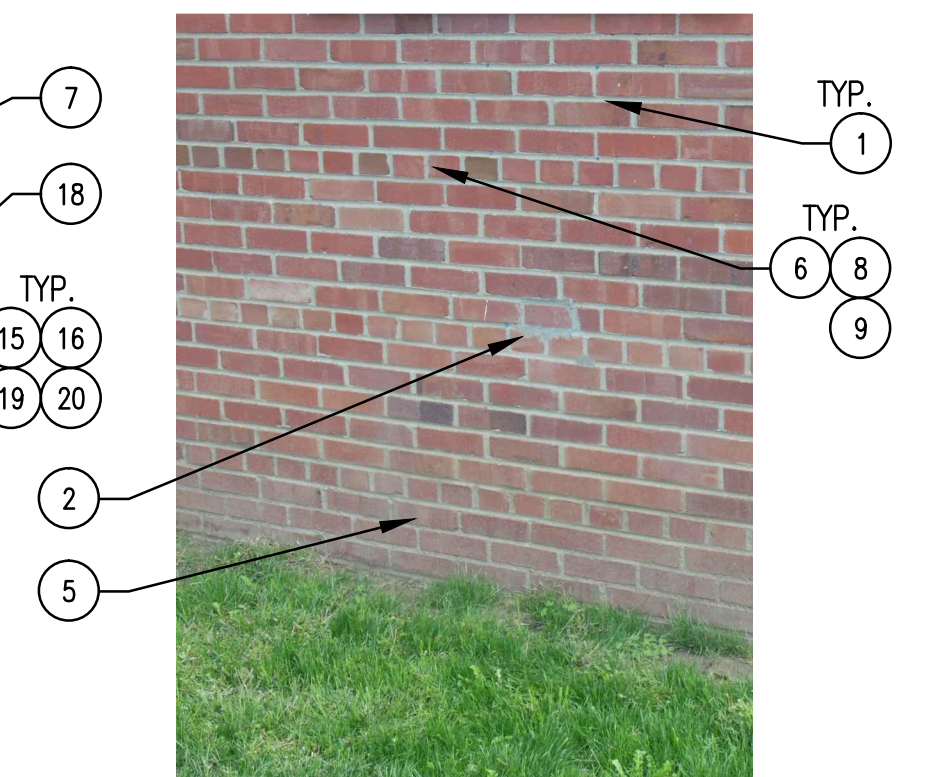
11 B404 PREV. WATER DAMAGE REPAIR
NOT TO SCALE



12 B404 PREV. WATER DAMAGE REPAIR
NOT TO SCALE



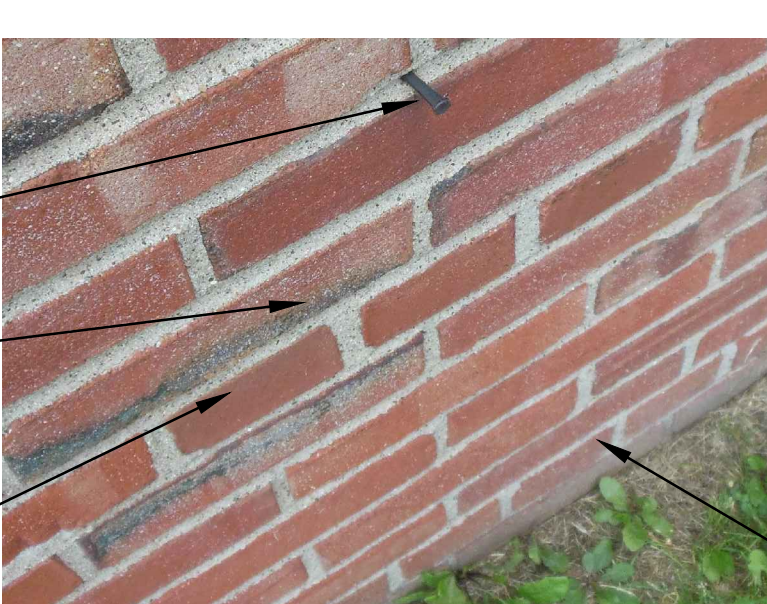
13 B404 SPLASH UP DAMAGE
NOT TO SCALE



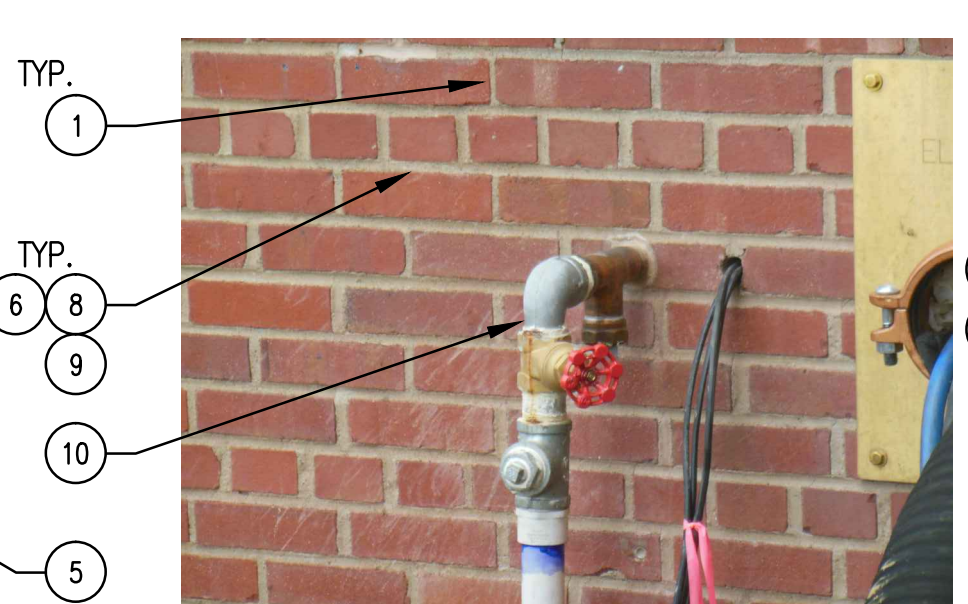
14 B404 SPLASH UP DAMAGE
NOT TO SCALE



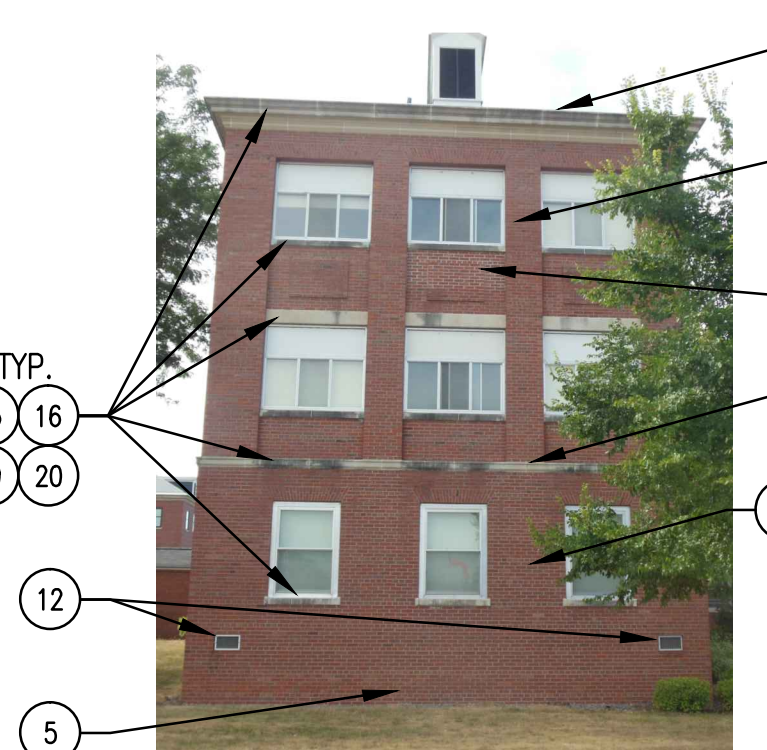
15 B404 WINDOW LINTEL DETAIL
NOT TO SCALE



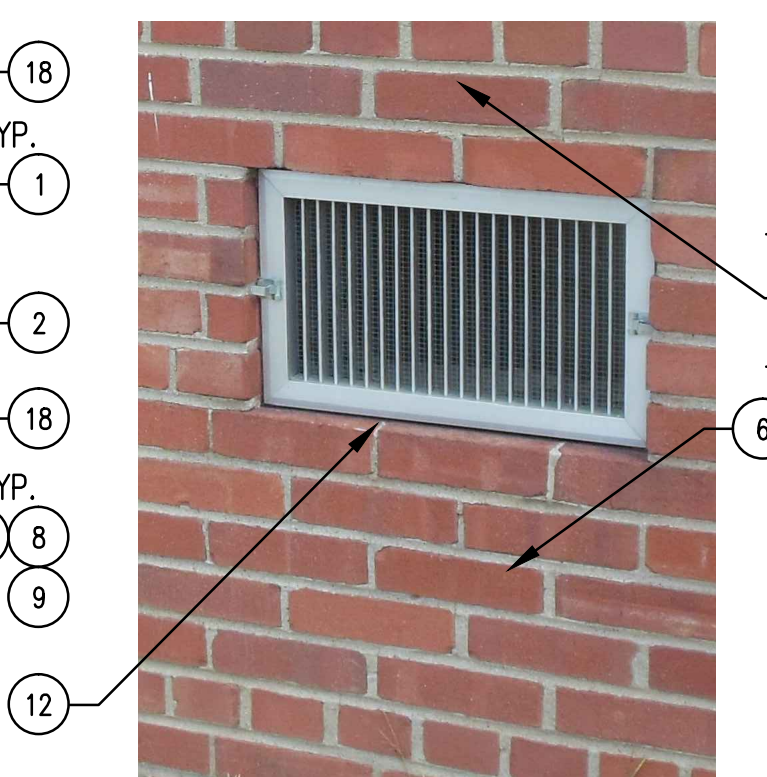
16 B404 FASTENERS & PENETRATIONS
NOT TO SCALE



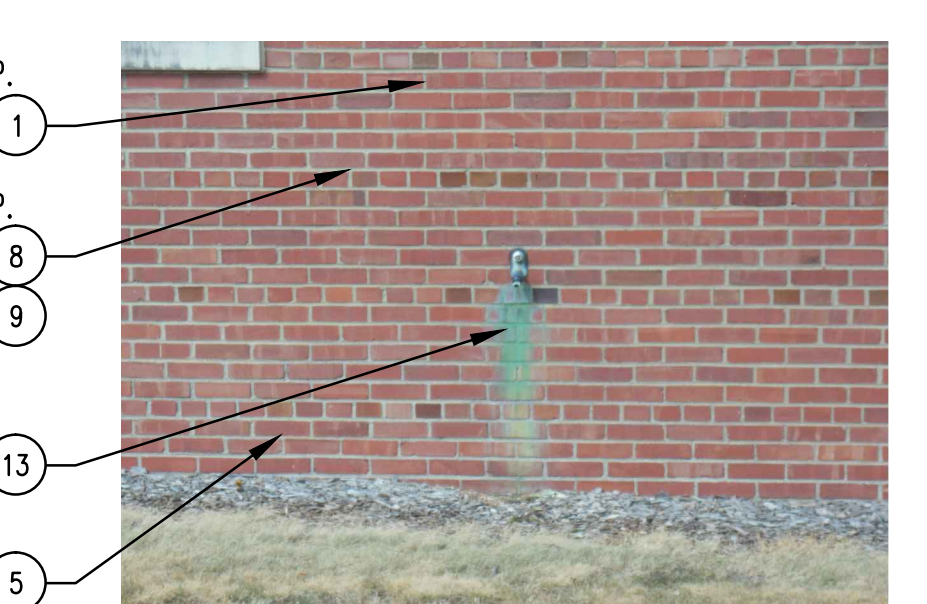
17 B404 TYP. PIPES TO REMAIN
NOT TO SCALE



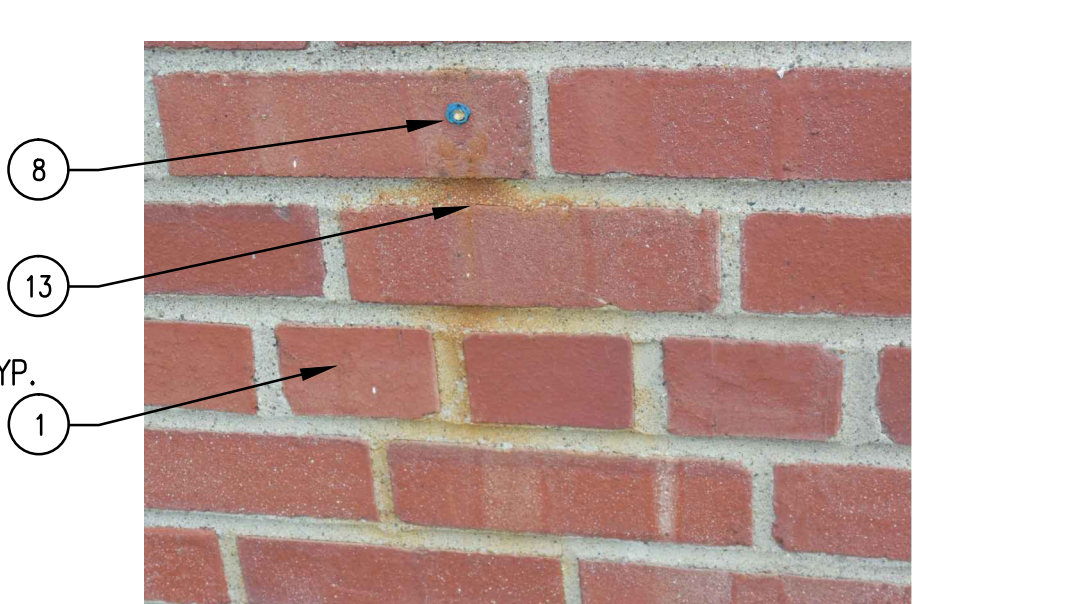
18 B404 TYP. VENT LOCATIONS
NOT TO SCALE



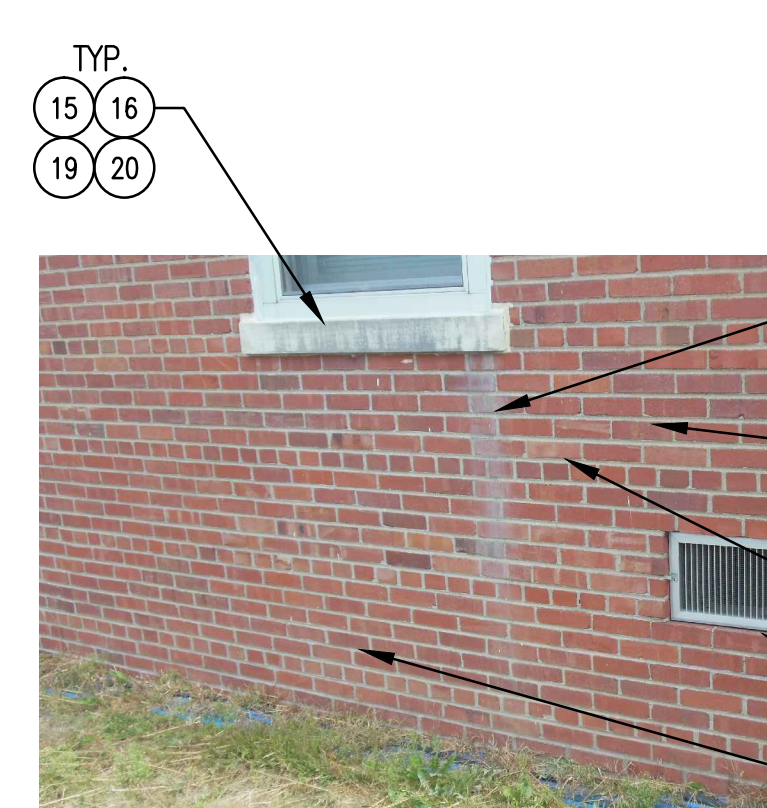
19 B404 TYP. VENT LOCATIONS
NOT TO SCALE



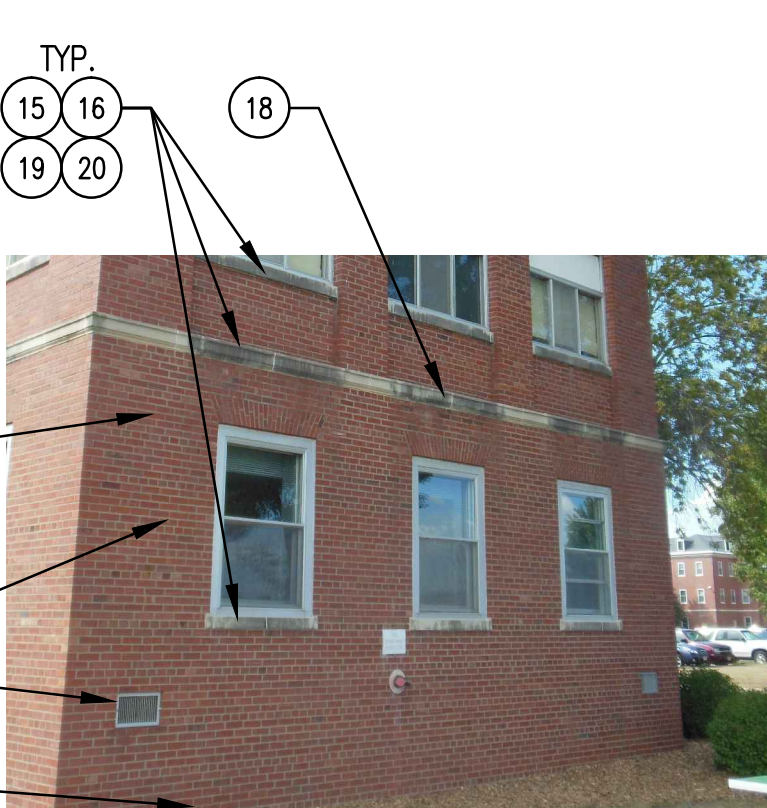
20 B404 CHEMICAL STAINS @ BRICK
NOT TO SCALE



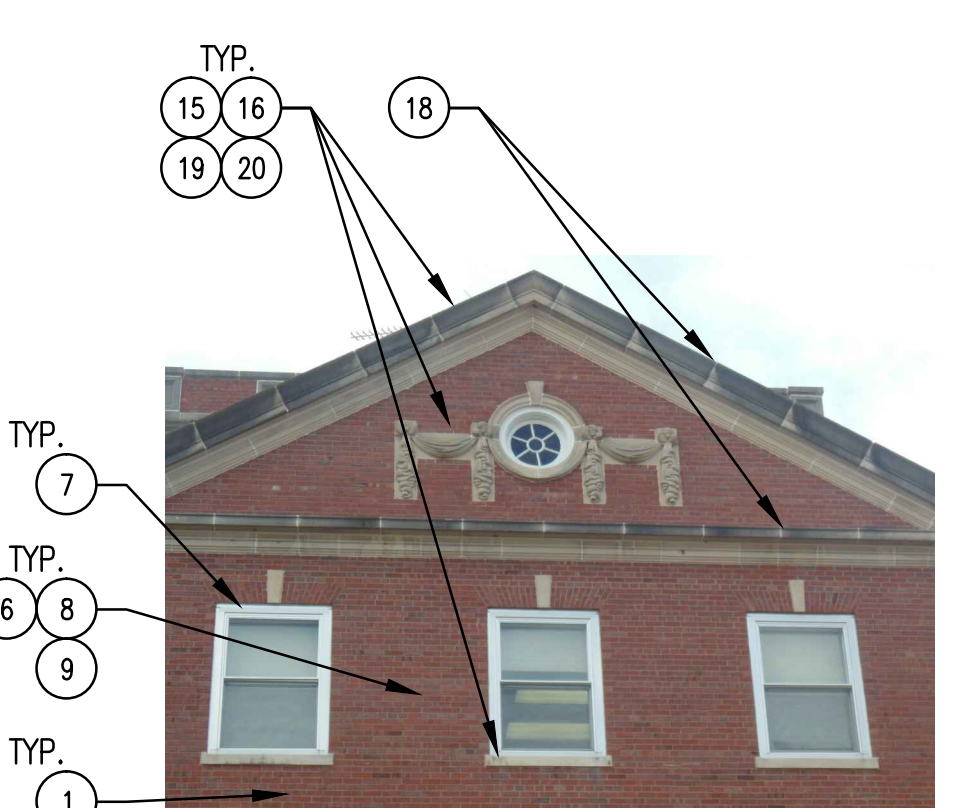
21 B404 CHEMICAL STAINS @ BRICK
NOT TO SCALE



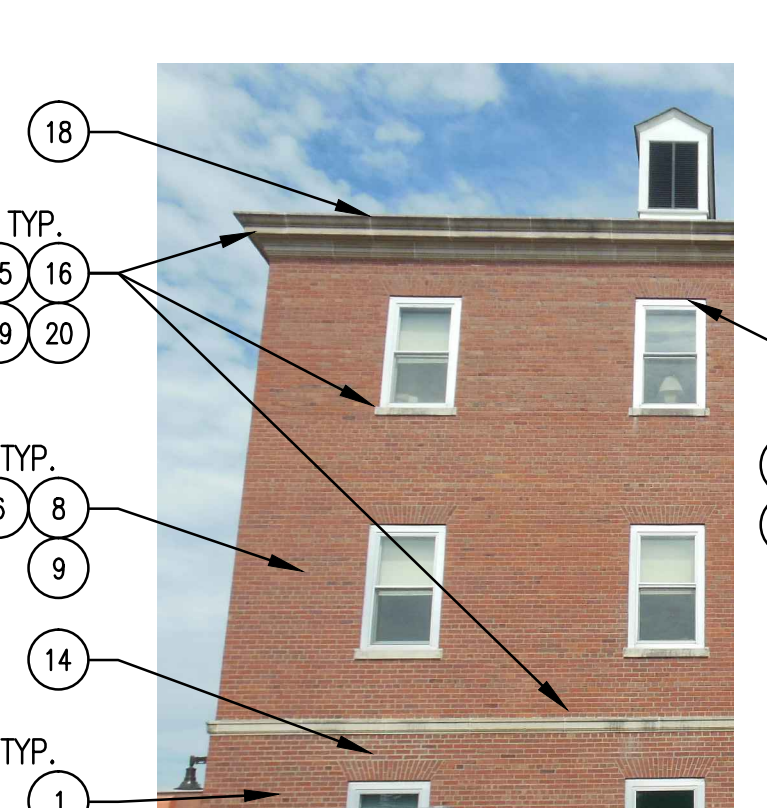
22 LIMESTONE RUN-OFF STAINS
NOT TO SCALE



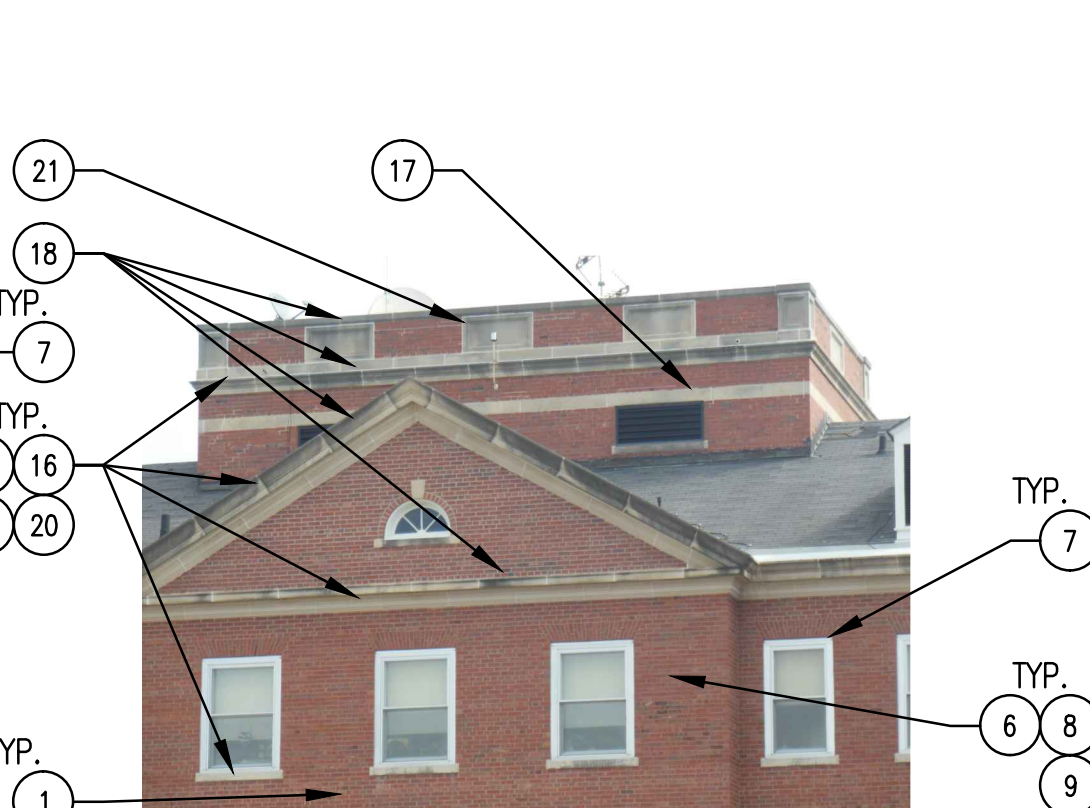
23 B404 LIMESTONE STAINS
NOT TO SCALE



24 B404 LIMESTONE JOINT RENEWAL
NOT TO SCALE



25 B404 LIMESTONE JT. RENEWAL
NOT TO SCALE



26 B406 PENTHOUSE
NOT TO SCALE

MASONRY REPAIR KEY NOTES (cont'd):

18. AT ALL LOCATIONS WHERE STONE IS NOT FULLY ENGAGED IN THE BRICK MASONRY (I.E. STONE CORNICES, COPINGS, SILLS, WINDOW SURROUNDS, HORIZONTAL BANDS WHERE LEDGES EXIST, STONE SURROUNDS AT PEDIMENTED GABLES), RENEW ALL VERTICAL JOINTS WITH ELASTOMERIC SEALER.

19. INSPECT ALL OF THE HORIZONTAL JOINTS BETWEEN THE BRICKWORK AND STONEMASONRY AND REPAIR WHERE LOOSE OR DETEIORATING. JOINTS SHALL BE TUCKPOINTED WITH NEW MORTAR AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING". THIS INCLUDES ALL OF THE JOINTS AT THE HORIZONTAL BANDING, AS WELL AS THOSE AT THE KEYSTONES. MAKE REPAIRS TO THESE HORIZONTAL JOINTS AFTER VERTICAL JOINTS IN STONE BANDS HAVE BEEN REPLACED PER NOTES #17 AND #18.

20. INSPECT LIMESTONE FOR DAMAGE. MINOR CHIPS WILL BE LEFT AS IS. SIGNIFICANT DAMAGE TO STONEMASONRY, AS DETERMINED BY THE VA, WILL BE PATCHED USING COMPOUNDS SPECIFICALLY FOR THE REPAIR OF INDIANA LIMESTONE. SEE SPEC SECTION 04 05 00 "MASONRY RESTORATION & CLEANING".

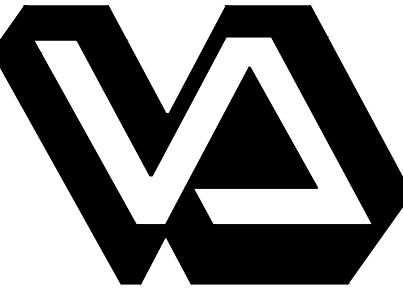
21. INSPECT PENTHOUSE AT EACH BUILDING FOR MASONRY DAMAGE. REPAIR PER NOTES ABOVE.

22. REMOVE SMOKING URNS WHERE THEY EXIST AT B404 AND B406. PATCH BRICK AND MORTAR PER NOTES #8 & #9.

MASONRY REPAIR KEY NOTES:

1. INSPECT ALL BRICK SURFACES WITHIN SCOPE OF WORK ON B404, B406, AND THE CURVED BRICK WALL ENCLOSURE BETWEEN B403 & B404. REPAIR ALL MORTAR JOINTS THAT HAVE ERODED AT LEAST 1/8" BACK FROM THE FACE OF THE BRICKWORK. JOINTS SHALL BE TUCKPOINTED WITH NEW MORTAR TO MATCH ORIGINAL AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING".
2. INSPECT ALL BRICK SURFACES WITHIN SCOPE OF WORK AT LOCATIONS OF REPLACEMENT MORTAR, WHERE THE REPAIRED JOINTS ARE SUBSTANTIALLY SIMILAR IN COMPOSITION AND APPEARANCE TO THE ORIGINAL JOINTS, THE EXISTING SHALL REMAIN IN PLACE. WHERE THE MORTAR APPEARS HARDER THAN THE ORIGINAL OR DISSIMILAR IN APPEARANCE, THE MORTAR WILL BE REMOVED WITHOUT DAMAGE TO BRICKWORK. DETERMINE HARDNESS OF REPLACEMENT MORTAR ON THE BASIS OF SPALL TESTS. ALL HIGH STRENGTH MORTAR (GREATER THAN 750 PSI) WILL BE REMOVED. WHERE ENTIRE SECTIONS OF WALL HAVE BEEN CONSTRUCTED WITH HIGH STRENGTH MORTAR, THESE PORTIONS WILL BE DISMANTLED AND REBUILT WITH COMPATIBLE MORTAR. MORTAR THAT IS AESTHETICALLY DISSIMILAR TO THE ORIGINAL WILL BE REPLACED. ALL NEW MORTAR SHALL BE AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING".
3. WHERE PREVIOUS OPENINGS FOR WINDOWS AND VENTS HAVE BEEN INFILLED WITH BRICK, REMOVE AND REPLACE INAPPROPRIATE MORTAR WHERE IT EXISTS PER NOTE #2.
4. INSPECT MASONRY JOINTS IN AREAS WHERE PREVIOUS WATER SATURATION HAS BEEN REPAIRED, INCLUDING PARAPET WALLS AT EACH BUILDING AND THE PEDIMENTED GABLES AT B404. REMOVE AND REPLACE INAPPROPRIATE MORTAR WHERE IT EXISTS PER NOTE #2. ENSURE THAT CONDITIONS THAT LED TO PAST WATER SATURATION HAVE BEEN CORRECTED.
5. INSPECT THE LOWEST 8 COURSES OF BRICK BENEATH THE SLOPED ROOFS FOR SPLASH-UP DAMAGE, ESPECIALLY WHERE CONCRETE PLATFORMS, RAMPS AND STAIRS EXIST, AND AT GRASS AREAS WHERE NO MULCH EXISTS. WHERE JOINTS ARE LOOSE, DETEIORATING, OR PREVIOUSLY REPAIRED WITH INAPPROPRIATE MORTAR, TUCKPOINT WITH NEW MORTAR AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING".
6. WHERE VERTICAL JOINTS IN BRICKWORK HAVE BEEN PATCHED WITH ELASTOMERIC SEALER, REMOVE SEALER AND REPLACE WITH NEW MORTAR AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING".
7. INSPECT THE STEEL LINTELS AT EACH WINDOW TO ENSURE THAT THE EMBEDDED ENDS OF THE LINTELS ARE FULLY COVERED WITH MORTAR. REMOVE ANY AREAS OF RUST WITH A WIRE BRUSH, AND PAINT WITH A RUST-INHIBITIVE PAINT. INSTALL NEW MORTAR OVER EXPOSED LINTEL ENDS AS SPECIFIED IN SECTION 04 05 13 "MASONRY MORTARING". MAINTAIN THE SPACE BETWEEN THE LINTEL AND THE BRICKWORK ABOVE FOR WATER DRAINAGE: DO NOT CAULK OR SEAL THIS SPACE.
8. REMOVE UNUSED SCREWS OR OTHER FASTENERS. ANY EMBEDDED ANCHORS WILL BE REMOVED OR DRILLED TO A DEPTH OF AT LEAST 1-1/2". ALL HOLES WILL BE FILLED WITH NEW MORTAR AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING". IF THE HOLES OCCUR WITHIN A BRICK UNIT, THE MORTAR MAY BE TINTED TO BETTER MATCH THE COLOR OF THE BRICK.
9. ALL PIPE, UTILITY, OR OTHER HOLES THAT HAVE BEEN BORED INTO THE MASONRY WILL BE PATCHED USING NEW MORTAR AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING". PRIOR TO THE INSERTION OF MORTAR, THE HOLES MAY BE PACKED WITH FOAM BACKER MATERIAL TO A MAXIMUM DEPTH OF 2-1/2". OTHERWISE, PACK ENTIRELY WITH SPECIFIED MORTAR. HOLES IN THE BRICK MAY BE PATCHED WITH COLORED MORTAR, OR MORTAR MAY BE DYED AFTER PATCHING TO BETTER MATCH THE COLOR OF THE BRICKS. FOR LARGE HOLES, REPLACE BRICK WHERE DIRECTED BY VA. SEE NOTE #13 FOR REMOVAL OF STAINS BELOW PIPE OPENINGS.
10. WHERE PIPES MUST REMAIN IN PLACE, THEY WILL BE SEALED WITH ELASTOMERIC SEALER AND FOAM BACKER RODS. IN ACCORDANCE WITH CONTEMPORARY PRACTICES, THE SEALER WILL BE TINTED TO BETTER MATCH THE COLOR OF THE SURROUNDING BRICKWORK. PIPES THAT ARE NO LONGER IN USE WILL BE REMOVED WITHOUT DAMAGE TO THE BRICK OR STONE MASONRY. PATCH HOLES PER NOTE #9. SEE NOTE #13 FOR REMOVAL OF STAINS BELOW PIPE OPENINGS.
11. REMOVE THE EXISTING DRYER/EXHAUST VENTS ON THE NORTH FACE OF B404. REPAIR THE SURROUNDING MASONRY & REMOVE STAINS & SEALER PER SPEC SECTION 04 50 00 "MASONRY RESTORATION & CLEANING". REPLACE DETEIORATED MORTAR PER SPEC SECTION 04 05 13 "MASONRY MORTARING". REINSTALL VENTS AND SEAL WITH ELASTOMERIC SEALER.
12. TUCKPOINT ALL OF THE VERTICAL MORTAR JOINTS IN THE SILL COURSE OF BRICK BELOW THE ORIGINAL FIRST FLOOR WALL VENTS, APPROXIMATELY 16 LOCATIONS PER BUILDING. NEW MORTAR TO MATCH ORIGINAL AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING".
13. REMOVE CHEMICAL STAINS FROM BRICKWORK TO THE EXTENT POSSIBLE USING DETERGENT AND BRISTLE BRUSHES. IF STAINS REMAIN AFTER THIS PROCESS, EMPLOY CHEMICAL CLEANERS DESIGNED TO REMOVE SPECIFIC TYPES OF CHEMICAL RESIDUE. CHEMICAL CLEANERS MUST FIRST BE TESTED IN AN INCONSPICUOUS AREA OF THE BUILDING TO ENSURE THAT NO DAMAGE WILL OCCUR TO THE BRICKS AND MORTAR. SEE SPEC SECTION 04 50 00 "MASONRY RESTORATION & CLEANING".
14. REMOVE LIMESTONE RUNOFF STAINS FROM BRICKWORK TO THE EXTENT POSSIBLE USING DETERGENT AND BRISTLE BRUSHES. IF STAINS REMAIN AFTER THIS PROCESS, ADD LOW DILUTION OF VINEGAR OR OTHER MILD ACID TO SCRUB MIXTURE, OR USE LOW PRESSURE WATER SPRAY OF LESS THAN 1,000 PSI. ALL REMOVAL METHODS MUST FIRST BE TESTED IN AN INCONSPICUOUS AREA OF THE BUILDING TO ENSURE THAT NO DAMAGE WILL OCCUR TO THE BRICKS AND MORTAR. SEE SPEC SECTION 04 50 00 "MASONRY RESTORATION & CLEANING".
15. WHERE LIMESTONE MASONRY HAS ERODED AND SURFACE HAS BECOME PITTED, NO REMEDIAL ACTION WILL BE UNDERTAKEN AS THIS IS A NATURAL OCCURRENCE FOR INDIANA LIMESTONE AND DOES NOT THREATEN ITS INTEGRITY.
16. WHERE STAINS EXIST AT STONE MASONRY, REMOVE USING DETERGENT AND BRISTLE BRUSHES, OR LOW WATER PRESSURE LESS THAN 1,000 PSI. STAINS THAT REMAIN AFTER THIS PROCESS WILL BE LEFT UNTREATED. SEE SPEC SECTION 04 50 00 "MASONRY RESTORATION & CLEANING".
17. AT HORIZONTAL STONE BANDS FULLY ENGAGED IN THE BRICK MASONRY (B406, WHERE LEDGE DOES NOT EXIST), REMOVE ELASTOMERIC SEALER IN VERT. JOINTS AND REPLACE W/ MORTAR AS SPECIFIED IN SECTION 04 05 13, "MASONRY MORTARING".

100% CONSTRUCTION DOCUMENTS

Revisions: Date	 Dept. of Veterans Affairs Medical Center 500 E. Veterans Street Tomah, WI 54660		CONSULTANTS:  716 Orton Court Madison, WI 53703 608-658-8855	PROJECT LEADER / ARCHITECT:  ASHLAND, WI • MILWAUKEE, WI • MADISON, WI • DULUTH, MN 710 6th St. S. • WWW.CHEQUAMEGONBAYGROUP.COM	Drawing Title BUILDING 406 PHOTOS & DETAILS	Project Title B404 & B406 Masonry Restoration	Project Number 676-13-129
			Approved: Project Director	Location VA Medical Center, Tomah, WI	Date 14 January 2014	Checked By: KAB	Drawn By: KAB